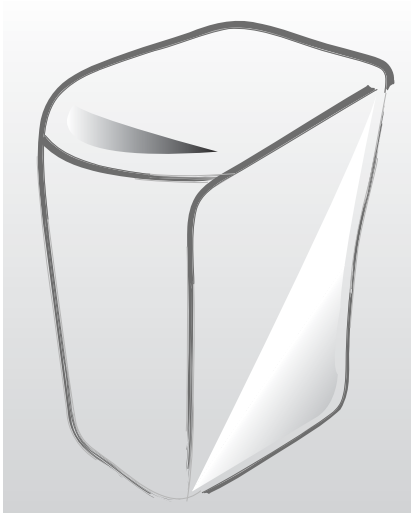
SAMSUNG

WASHING MACHINE

User's Manual

WA12K(2,3,7,8)(S,Q)
WA12G(2,3,7,8)(S,Q)
WA13K(2,3,7,8)(S,Q)
WA13G(2,3,7,8)(S,Q)



Please read this manual before using and note how to use in the proper manner.
Please be careful of keeping the manual. Otherwise, it should be bought separately.

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SPECIFICATIONS

The User's Manual is for common use.
Make use of the User's Manual depending upon your washing machine model.

CODE NO. : DC68-01518S-01
(127V/50~60Hz)

FEATURES

FUZZY CONTROL

- Fuzzy control operates with best washing course by sensing the washload like artificial intelligence.

TRANSPARENT WINDOW option

- This Transparent Window is the new concept to solve the curiosity of users to see inside of washing machine while operation. While operation, the laundry progress inside of washing machine can be checked by looking through the transparent window.

PULSATOR

- The Pulsator helps water and detergent to go through fabrics efficiently while providing both the powerful water action to clean larger and heavier clothes and the gentle water action to clean all delicates with less wear and tear on clothes.

WATERFALL FLOW

- The Waterfall Flow injected from under the pulsator cascades with full force back into the tub, pushing down any clothes that float right under the water surface. It is this Waterfall Flow that enables this washing machine to effectively wash large and heavy items, such as bluejeans and blankets.

MAGIC FILTER option

- This unique magic Filter ensures that all the lint inside the tub is captured for top quality filtering results to deliver consistently effective cleaning results.

SOFTENER DISPENSER

- The Softener Dispenser releases the fabric softener at the appropriate time when the last rinsing proceeds.

SAFETY INSTRUCTIONS

Please note that the following precautions for safety intend to prevent unpredictable danger and damage by helping the proper use in safety.

When using hot water in washing, please make sure that the water should not exceed 50˚C.
• Plastic parts may be deformed or damaged, and an electric shock or a fire may take place.

WARNING

There might be serious injury or fatal accident when you violate this instruction.

If the power supply cord or plug is damaged or loosened, do not use.
• An electric shock or a fire may take place.

Do not pull the cord off or touch it with moist hands.
• An electric shock or a fire may take place.

Do not bend the power supply cord by force or press it with heavy things.
• An electric shock or a fire may take place.

Do not install the washer nearby electric implement or don't put a candle light or cigarette light on the washer.
• A fire may take place.

Do not disassemble, repair or remodel it recklessly.
• When you need to repair it, please call service agent. An electric shock or a fire may take place.

During operation, do not put your hands or metal materials under the washer.
• You may be hurt by spinning board beneath the washer.

Stay away from the washer when the bottom of the washer sinks into the water.
• There might be an electric shock. Please wait until the water drains out completely.

Do not put laundry stained with gasoline, benzene, or alcohol in the washer, and keep the materials away from the washer.
• An explosion or a fire may take place.

During spinning, don't put your hand in the spinning tub.
• It may hurt your hands. If it does not stop within 15 seconds after you open the lid, call service agent immediately.

CAUTIONS

There might be a slight injury or damage when you violate this instruction.

Don't' install it in the area with moisture or outdoor where it has rain or snow
• An electric shock or a fire may take place.

Please unplug the power supply cord when you do not use it.
• An electric shock or a fire may take place.

If there is dust or water on the power supply plug and its connected part, please remove it completely.
• An electric shock or a fire may take place.

Do not make your kids look into the inside of the washer.
• If your kid falls into the washer, his life could be in danger.

Ventilate immediately without touching the power plug if gas is leaking.
• An electric shock or a fire may take place if it catches flame.

If the washer makes strange noise, smell or smoke, unplug it promptly and call service agent.
• An electric shock or a fire may take place.

When cleaning, don't spray water to the parts of the washer directly.
• It may make it's life span shorten.
Also an electric shock or fire may take place

Don't use several appliances together with an outlet.
• A fire may take place due to unusual heat.

Don't press the button with an awl or pin.
• An electric shock or a fire may take place.

• Use the new hose-sets, and old hose-sets should not be reused.

option

Child-Lock function: This is a device to protect children from being accidentally hurt while playing with the washer.

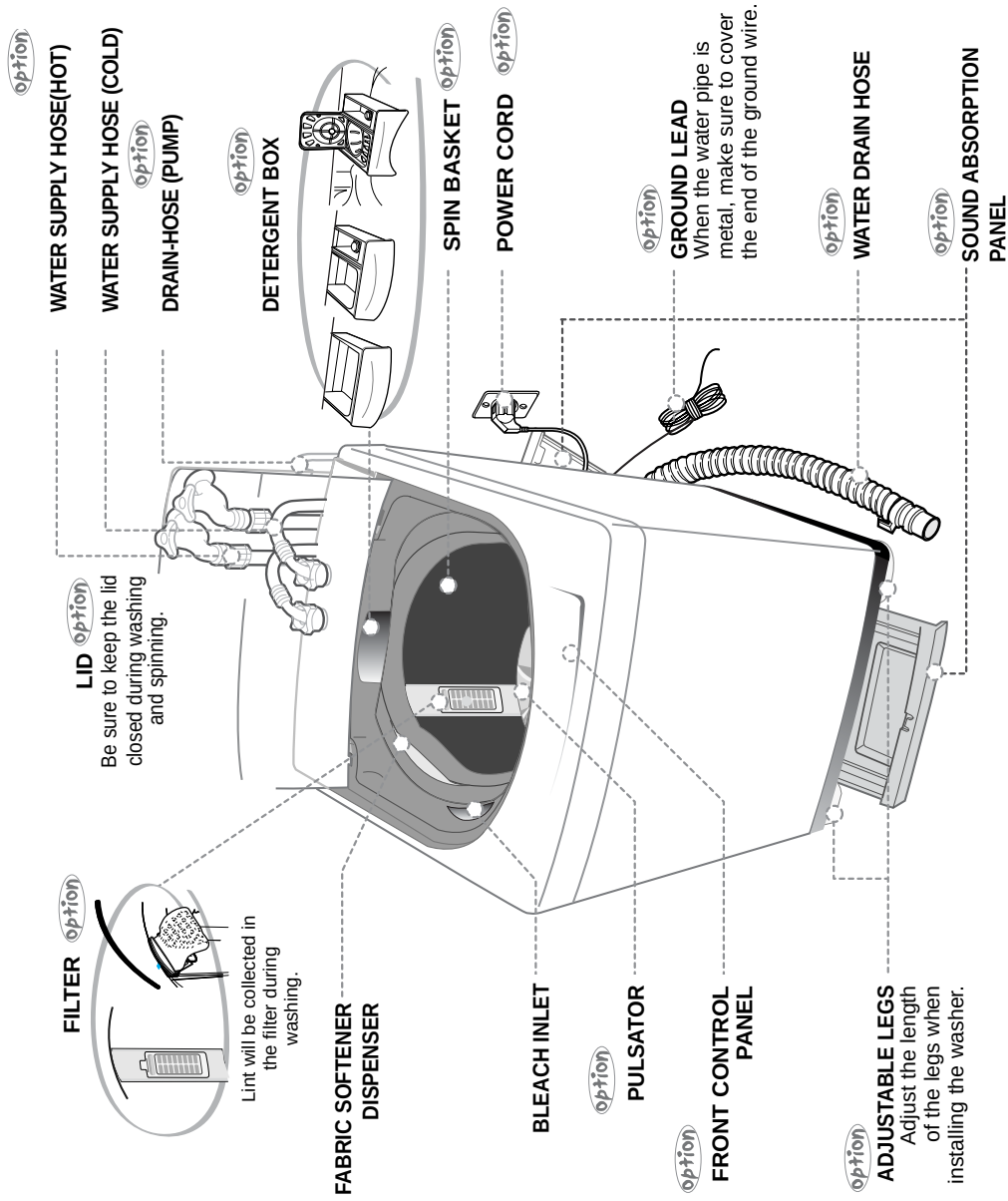
How to start the Child-Lock function:
- Press the "Power" button to go to an initial washing mode.
- By pressing "Start/Hold" button, you start washing and in case Child Lock function is needed during the laundry
- Push the "Course" button and get the function started.
(Note: You cannot perform the function without the "Power" button on.)

In the event that you would like to modify the Child-Lock function, "L" signal flashes in the "signal window showing the rest of the set time" every two seconds, which means it is locked and indicates how much time is left until the function is released.

To release the function of Child-Lock:
- In case the "Child-Lock" is programmed, press both the "Function" and "Course" buttons in sequence.

DESCRIPTION OF PARTS

The User's Manual is for common use.
Make use of the User's Manual depending upon your washing machine model.


option
WATER SUPPLY HOSE(HOT)
WATER SUPPLY HOSE (COLD)
DRAIN-HOSE (PUMP)
DETERGENT BOX
SPIN BASKET
POWER CORD
GROUND LEAD
When the water pipe is metal, make sure to cover the end of the ground wire.
WATER DRAIN HOSE
SOUND ABSORPTION PANEL
LID
Be sure to keep the lid closed during washing and spinning.
FILTER
Lint will be collected in the filter during washing.
FABRIC SOFTENER DISPENSER
BLEACH INLET
PULSATOR
FRONT CONTROL PANEL
ADJUSTABLE LEGS
Adjust the length of the legs when installing the washer.

CONTROL PANEL

For more details, see control panel of your washing machine.

➢ POWER BUTTON

Press this button once to operate.
Press once again to turn the power off.

➢ START/HOLD BUTTON

Use to pause and restart the operation.
To change the washing procedure during operation, press this button to stop, and once again to restart after changing the procedure.

➢ DELAY START BUTTON option

Press this button when delay start washing is needed.

➢ COURSE SELECT BUTTON

With every press of this button, the washing course changes;
FUZZY ➔ HEAVY ➔ SPEEDY/THOBE ➔ WOOL ➔ BLANKET➔ FUZZY

➢ FUNCTION SELECT BUTTON

With every press of this button, the function changes;
SOAK,WASH,RINSE,SPI N ➔ WASH, RINSE, SPIN, DRIP DRY ➔ WASH ➔ RINSE ➔ SPIN ➔ WASH, RINSE ➔ RINSE, SPIN ➔ WASH,RINSE,SPIN

➢ WATER LEVEL SELECT BUTTON

According to the washload,select the water level ;
HIGH ➔ MAXIMUM ➔ E/LOW ➔ LOW ➔ MEDIUM ➔ HIGH

option

➢ WATER SUPPLY SELECT BUTTON

As you press this button, the type of water is selected as follows.
COLD ➔ COLD + HOT ➔ HOT ➔ COLD

option

➢ REMAINING TIME INDICATOR LIGHT

The indicator light shows the remaining time (in minutes) of each wash cycle.
At the end of the cycle,the power automatically switches off.

WASHING PROCEDURE

Before starting washing, check the following;
Connect the water supply hose to the water tap. Leave a tap open. Plug the power cord in. Make sure to lay down the drain hose. (In case no drain pump)

Put the laundry into the washer and add detergent, too.
Be careful not to overload. Use right detergent for the fabrics you are washing.

➢ FUZZY COURSE

Selects the best washing course automatically.

1. Press the POWER Button to"ON".
2. Press the START/HOLD button.

Water level is selected automatically.
Washing,rinsing, and spinning follow.
If you want to pause, press the START/HOLD button again.You can change the course when paused.

3. Close the lid.

➢ HEAVY COURSE

(For jeaus or laundry with heavy dirt)

1. Press the power button to "ON".
2. Press the course select button once.

3. Press the START/HOLD button

Water level is selected automatically.
Washing, rinsing, and spinning follow.
If you want to pause, press the START/HOLD button again.You can change the course when paused.

4. Close the lid.

➢ SPEEDY/THOBE COURSE option

THOBE COURSE: Suitable number of Thobe for laundering is three to five.
Because washing is speedy, it is good for light or less stained laundry.

1. Press the power button to "ON".
2. Press the course select button twice.

3. Press the START/HOLD button

Water level is selected automatically.
Washing, rinsing, and spinning follow.
If you want to pause, press the START/HOLD button again.You can change the course when paused.

4. Close the lid.

➢ WOOL COURSE

1.Press the power button to "ON".
2.Press the course select button three times.

3.Press the START/HOLD button.

Washing,rinsing, and spinning follow.
If you want to pause, press the START/HOLD button again.You can change the course when paused.

4. Close the lid.

CAUTION . . .

-Do not use water above 30˚C for WOOL washing.
-Refer to the tag attached on the clothes for washing information.
-Fasten buttons and turn inside out before washing.
-Use the detergent indicated in the laundry.
-When the degree of dirt is extreme, soak the laundry in warm water for about 10 minutes before pressing the WOOL course button in order to enhance washing efficiency.

➢ BLANKET COURSE

(For big laundry like quilts or bedcovers)

1. Press the power button to "ON".
2. Press the course select button four times.

3. Press the START/HOLD.
4. Close the lid.

Blanket may get stained with the detergent. Therefore, detergent in the liquid detergent device is suggested.

➢ DELAY START COURSE

Select this course when you have to go out or do something else.

1. Press the power button to "ON".
2. Press the DELAY START button once.

You may change the delay start time with use the DEALY START button. (from 3 hours to 18 hours)

3. Press the START/HOLD button and put the proper amount of detergent into tub.

4. Close the lid.

The washing finishes by the time you reserved.

MANUAL FUNCTIONS

Each washing course changes manually.
Ex) If you want to wash in the speedy course : Power - Select speedy course - Wash - Start/Hold button

SOAK FUNCTION (Including WASH, RINSE, SPIN)
Press the POWER button.
Select the course(Press the course button).
→ FUZZY, HEAVY, SPEEDY/THOBE , WOOL, BLANKET.
Press the FUNCTION SELECT button.
Press the START/HOLD button.
Water level is selected automatically.
Washing,rinsing, and spinning follow.

WASH ONLY
Press the POWER button.
Press the FUNCTION SELECT button.
Press the START/HOLD button.
Washing goes on for 18 minutes.
When the FUNCTION button is pressed during washing, the wash time can be changed to between 3 and 25 minutes in duration.

RINSE ONLY
Press the FUNCTION button.
Press the START/HOLD button.
Rinsing goes on for 15 minutes.
When the FUNCTION button is pressed during rinsing, the rinse times can be changed to between 1 to 5 times in duration.

SPIN ONLY
Press the FUNCTION button.
Press the START/HOLD button.
Spin drying goes on for 9 minutes.
When the FUNCTION button is pressed during spinning, the spin time can be changed to from 5 to 11 minutes.

WASH AND RINSE
Press the FUNCTION button.
Press the START/HOLD button.
Washing and rinsing go on for 38 minutes.
When the FUNCTION button is pressed during working, the rinse times can be changed to between 1 to 7 times in duration.

RINSE AND SPIN
Press the FUNCTION button.
Press the START/HOLD button.
Rinsing and spin drying follow.
When the FUNCTION button is pressed during working, the rinse times can be changed to between 1 and 5 times in duration.

DRIP DRY ONLY
Press the FUNCTION button.
Press the START/HOLD button.
What drip dry!
This 'Drip Dry' feature enables you to protect your washing from getting winkled. Some water may remains from a proper quantity of dewater.
(Drying function is not excuted.)

INSTALLATION & MAINTENANCE

The User's Manual is for common use.
Make use of the User's Manual depending upon your washing machine model.

ENVIRONMENT

Leave some space
Maintain at least 10cm between the washer and the wall.

Place the washer on a sturdy flat surface.
If the washer is placed on an uneven or weak surface, noise or vibration occurs. (Allowable is 1˚)

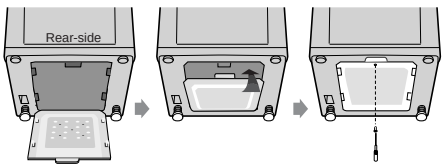
Adjust the legs for even placement.

Never install the washer near water.
Do not place the washer in steamy rooms or where the washer is directly exposed to rain.Moisture may destroy the electrical insulation causing an electrical shock hazard.

Avoid direct sunlight or heaters.
As plastic and electrical components are affected by direct heat,never place the washer near furnaces, boilers, etc. Do not place under direct sunlight.

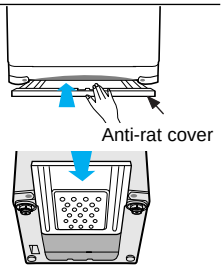
➢ ASSEMBLING THE PRAT PROTECTION PANEL option

Tilt the washer a little and lift up the panel until it clicks, finally fix the panel with screw to the base as shown in the figure.

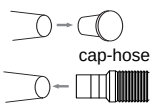
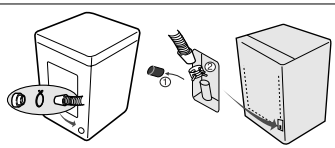
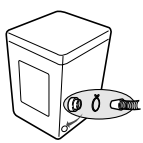


1. Insert the sound absorbing panel to the assembling hole on front side to the end.

2. If you have difficulty inserting the panel lift up the washer a little and insert it

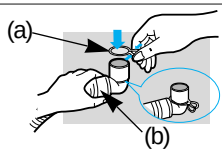


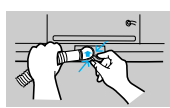
➢ IN CASE OF PUMP-DRAINED WASHER option

Take out the cap-hose and connect the outlet-hose.	Be sure to join tightly the drain hose into the drain-outlet on the back of the machine.	Be sure to join tightly the drain hose into the drain-outlet on the side of the machine.	Install the drain hose in the position of about 90~100cm above the ground.
			

➢ CONNECTING THE DRAIN HOSE option

After pressing the joint ring(a), insert the drain hose(b) to drain direction.

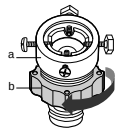




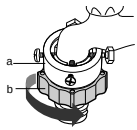
➢ CONNECTING THE WATER SUPPLY HOSE

1. Remove the adaptor from the water supply hose.

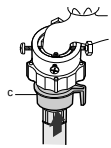
2. First,using a "+" type screw driver, loosen the four screws on the adaptor.
Next,take the adaptor and turn part(b) following the arrow for gap about 5mm between them.



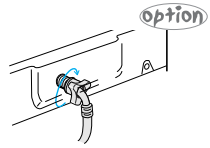
3. Connect adaptor to the water tap by tightening the screws firmly.
Then, turn part (b) following the arrow and put (a) and (b)together.



4. Connect the water supply hose to the adaptor. Pull down the part (c) of the water supply hose .When the part (c)is released, the hose is automatically connected to the adaptor making a 'click' sound.

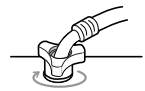


option



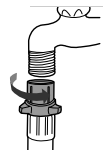
5. Connect the other end of the water supply hose to the inlet water valve at the back of the washer.
Screw the hose clockwise all the way in.

option



5-1.Connect the other end of the water supply hose to the inlet water valve at the top of the washer.
Screw the hose clockwise all the way in.

option



If the water tap is a screw type,assemble a water supply hose that fits to the tap as shown.

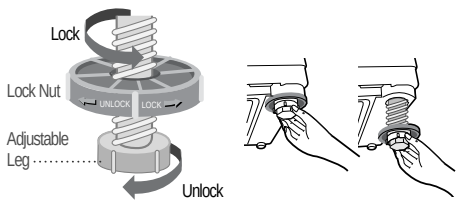
***NOTICE** After completing connection, if water leaks from the hose, then repeat the same steps.*
Use the most conventional type of faucet for water supply.
In case the faucet is square or too big,remove the spacing ring before inserting the faucet into the adaptor.

➢ LEVELLING

● If the washer is not leveled with the ground, it makes the machine tremble more or be out of order. So, make sure that the washer is leveled properly.

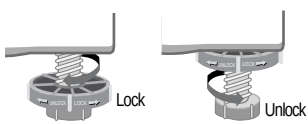
option

● Adjust the height control legs to make eve.



● After slightly lifting up the machine, rotate the adjustable leg counter-clockwise and pull as much as need to adjust the reight.

● After putting down the machine after adjustment.

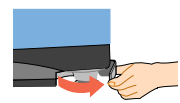


● Adjust the height and secure.
● Secure the lock nut by rotating it firmly.
● If the lock nut is not secured, the adjustable leg may be released.

Adjustment of height

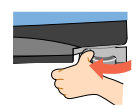
If not leveled, adjust the legs to level the washer.

● Be careful not to put in your hand under the legs. (It may cause some injury)



Pull the handles located at the right and left of the front side and slide off.

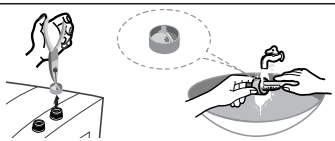
Adjust the **water drop mark** to be in the red circle pulling back the machine slightly, and then, push it with a feet to fix.



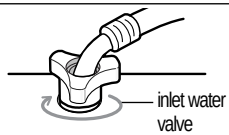
Fix the handles by hand completely.

Waterdrop mark	Cause	How to level
	The front part is lower	Level it by adjustable legs.
	The back part is lower	Adjust the height by using the adjustable rubber or prop at the back.
	The left part is lower	Adjust the left part by using the adjustable legs at the front and the adjustable rubber at the back.
	The right part is lower	Adjust the right part of the washer by using the adjustable leg at the front and the adjustable rubber at the back.

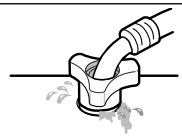
➢ WATER SUPPLY CONNECTOR FILTER



1.Pull out the filter and wash well.



2. Pull in the filter and connect the hose to the inlet water valve tightly.

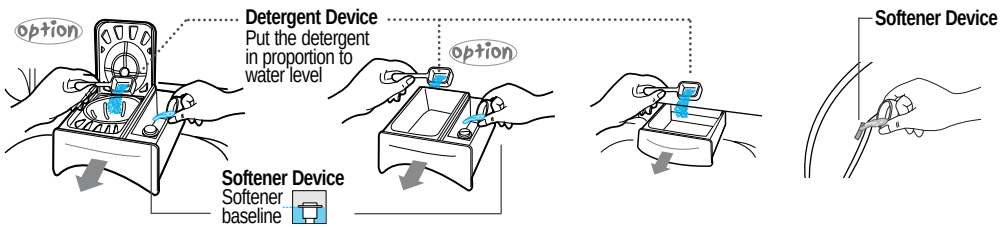


3. Check if there is a leakage. Note to tighten up the connector.

➢ HOW TO PUT THE DETERGENT IN AND ADD THE FABRIC SOFTENER option

1.Open the detergent box by pulling in the direction of the arrow as shown in the figure and then put the powder detergent in the detergent box.

2. Put in one-time amount of detergent evenly so the detergent may not brim over the box.

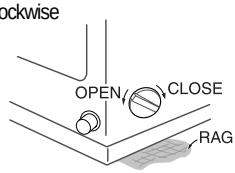


- When a proper amount (one time does) of fabric softener is stored in the softener inlet,it is automatically put in at the last rinsing cycle.
- Do not use detergent, bleach or starch into the Softener Inlet.
- Using too much softener may produce unsatisfactory results.
- Do not open the lid during the Spin Dry cycle. If added too early, its effectiveness will decrease.
- Do not leave the softener into the Softener Dispenser for a long time. Because softner became stiff.

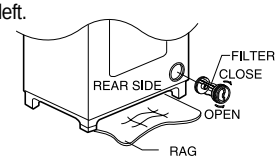
CAUTION : If softener is stored over the above base line, it may flow down at any time.

➢ HOW TO CLEAN THE FILTER option

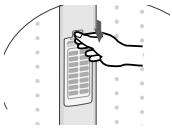
1. Place a rag under the washer filter not to wet the floor.
2. Rotate the filter counterclockwise and pull out the filter.
3. Remove dirts and rotate the filter clockwise until it locks in position.



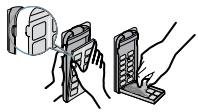
(pump drained washer)
1.Place a rag under washer filter not to wet the floor.
2.Turn the filter-cap to the left.
3.Take the filter out and remove dirts.
4. Reassemble in reverse order.



➢ CLEANING THE FILTER NET Clean the filter net often to keep the washer clean. option



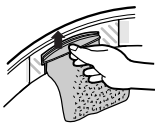
1. Push the upper part of the filter and pull in.



2. Open the cover as shown in the figure.

3. Clean the filter.

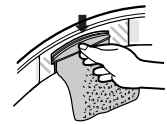
4. Close the cover and insert the lower part of the filter in the basket first and then push the filter with "click" sound .



1. Push up and pull out the filter net.

2. Remove the collected lint from the filter net.

3. Clean the filter.



4. Pull down the filter net.

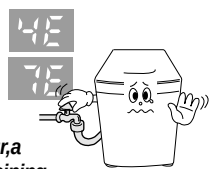
TROUBLESHOOTING

➢ Washing machine won't work

Is the water tap opened?
Is the washer plugged in?
Is the power cut off?
Is there enough water?

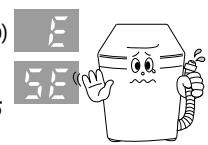
➢ Water is not supplied

Is the water tap opened?
Is the water cut off?
Is the water supply hose or hose connection clogged?
Is the water tap frozen?
If water is not supplied in 1 hour,a buzzer will sound, and the remaining time indicator will show "4E / 7E".



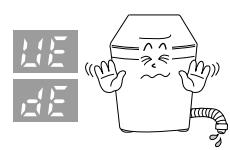
➢ Water dose not drain

Is the drain hose down?(No pump)
Is the drain hose frozen?
Is the drain hose clogged?
If the water dose not drain in 15 minutes, a buzzer will sound, and the remaining time indicator will show "E / 5E".



➢ Spinning does not work

Is the laundry spread out evenly in the washer?
Is the washer set on a sturdy flat surface?



➢ Water is overflowed

Restart after spinning.
If the error sign still indicates, call agency.

IN CASE THE NEED FOR SERVICING ARISES.

If any problem occurs with your products,do not hestitate to call any nearby.
Name, address, telephone number is required.

SAMSUNG ELETRONICS CO.,LTD
416, MAETAN-3DONG, SUWON, KOREA

SPECIFICATIONS WA12K(2,3,7,8)(S,Q)/WA12G(2,3,7,8)(S,Q)

NORMAL CAPACITY	WASHING	10 kg	STANDARD WATER LEVEL	MAXIMUM	90 *l*
	SPINNING	10 kg		HIGH	80 *l*
DIMENSIONS (mm)		W630 x D700 x H1020		MED	70 *l*
WEIGHT		49 kg		LOW	57 *l*
WATER PRESSURE		0.05~0.78 MPa (0.5 ~ 8.0 kg · f/cm²)		E/LOW	42 *l*
			WATER USAGE		230 *l*
WASHING TYPE		Stirring Type	POWER SUPPLY		127V/50~60Hz
MOTOR INPUT	WASHING	550W	PLUSATOR ROTATING SPEED		105 rpm
	SPINNING	310W	SPINNING TUB ROTATING SPEED		700 rpm
MOTOR MAX INPUT	WASHING	550W	RATING TIME	WASHING	Continue
	SPINNING			SPINNING	15 Minutes

- *For operating VOLTAGE and FREQUENCY, see the LABEL-RATING on the back of washing machine.*

SPECIFICATIONS WA13K(2,3,7,8)(S,Q)/WA13G(2,3,7,8)(S,Q)

NORMAL CAPACITY	WASHING	11 kg	STANDARD WATER LEVEL	MAXIMUM	90 *l*
	SPINNING	11 kg		HIGH	80 *l*
DIMENSIONS (mm)		W630 x D700 x H1020		MED	70 *l*
WEIGHT		49 kg		LOW	57 *l*
WATER PRESSURE		0.05~0.78 MPa (0.5 ~ 8.0 kg · f/cm²)		E/LOW	42 *l*
			WATER USAGE		230 *l*
WASHING TYPE		Stirring Type	POWER SUPPLY		127V/50~60Hz
MOTOR INPUT	WASHING	550W	PLUSATOR ROTATING SPEED		105 rpm
	SPINNING	310W	SPINNING TUB ROTATING SPEED		700 rpm
MOTOR MAX INPUT	WASHING	550W	RATING TIME	WASHING	Continue
	SPINNING			SPINNING	15 Minutes

- *For operating VOLTAGE and FREQUENCY, see the LABEL-RATING on the back of washing machine.*